

Nikolaos Bonaros

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6059649/nikolaos-bonaros-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

196
papers

9,096
citations

34
h-index

93
g-index

233
ext. papers

11,414
ext. citations

3.1
avg. IF

5.05
L-index

#	Paper	IF	Citations
196	Hemodynamic Performance of Sutureless vs. Conventional Bioprostheses for Aortic Valve Replacement: The 1-Year Core-Lab Results of the Randomized PERSIST-AVR Trial.. <i>Frontiers in Cardiovascular Medicine</i> , 2022 , 9, 844876	5.4	0
195	Minireview: Transaortic Transcatheter Aortic Valve Implantation: Is There Still an Indication?. <i>Frontiers in Cardiovascular Medicine</i> , 2022 , 9, 798154	5.4	
194	Surgical Treatment of Postinfarction Ventricular Septal Rupture. <i>JAMA Network Open</i> , 2021 , 4, e2128309	10.4	4
193	Intravascular Ultrasound-Guided Contrast-Free Transcatheter Aortic Valve Implantation: A Porcine Feasibility Study. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2021 , 16, 254-261	1.5	
192	Impact of pre-existing comorbidities on outcomes of patients undergoing surgical aortic valve replacement - rationale and design of the international IMPACT registry. <i>Journal of Cardiothoracic Surgery</i> , 2021 , 16, 51	1.6	
191	ECMO for COVID-19 patients in Europe and Israel. <i>Intensive Care Medicine</i> , 2021 , 47, 344-348	14.5	37
190	2020 update of the Austrian Society of Cardiology (ÖGK) and the Austrian Society of Cardiac Surgery (ÖHTG) on the position statement of the ÖGK and ÖHTG for transcatheter aortic valve implantation 2011. <i>Wiener Klinische Wochenschrift</i> , 2021 , 133, 750-761	2.3	
189	External stenting and disease progression in saphenous vein grafts two years after coronary artery bypass grafting: A multicenter randomized trial. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021 ,	1.5	5
188	Aortic valve function post-replacement of severe aortic stenosis by transcatheter procedure versus surgery: a systematic review and metanalysis. <i>Scientific Reports</i> , 2021 , 11, 11975	4.9	1
187	Partial Upper Sternotomy is a Safe Alternative in Mitral Annulus Decalcification. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2021 ,	1.7	1
186	Rapid Response in Type A Aortic Dissection: Is There a Decisive Time Interval for Surgical Repair?. <i>Thoracic and Cardiovascular Surgeon</i> , 2021 , 69, 49-56	1.6	1
185	Late Surgical Treatment for Transcatheter Aortic Valve Prosthesis Dysfunction. <i>Annals of Thoracic Surgery</i> , 2021 , 111, e271-e273	2.7	2
184	Transcatheter Mitral Valve Replacement After Surgical Repair or Replacement: Comprehensive Midterm Evaluation of Valve-in-Valve and Valve-in-Ring Implantation From the VIVID Registry. <i>Circulation</i> , 2021 , 143, 104-116	16.7	27
183	Aortic valve replacement: validation of the Toronto Aortic Stenosis Quality of Life Questionnaire. <i>ESC Heart Failure</i> , 2021 , 8, 270-279	3.7	1
182	Sutureless versus conventional bioprostheses for aortic valve replacement in severe symptomatic aortic valve stenosis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021 , 161, 920-932	1.5	14
181	A new way to use transit-time flow measurement for coronary artery bypass grafting. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2021 , 32, 711-718	1.8	0
180	Surgical Treatment of Post-Infarction Left Ventricular Free-Wall Rupture: A Multicenter Study. <i>Annals of Thoracic Surgery</i> , 2021 , 112, 1186-1192	2.7	6

179	Predictors of safety and success in minimally invasive surgery for degenerative mitral disease. <i>European Journal of Cardio-thoracic Surgery</i> , 2021 ,	3	3
178	Cannulation of the Carotid Artery for Minimally Invasive Mitral or Tricuspid Valve Surgery. <i>Annals of Thoracic Surgery</i> , 2020 , 110, e517-e519	2.7	2
177	Toll-like receptor 3 mediates ischaemia/reperfusion injury after cardiac transplantation. <i>European Journal of Cardio-thoracic Surgery</i> , 2020 , 57, 826-835	3	2
176	Immediate Surgery in Acute Type A Dissection and Neurologic Dysfunction: Fighting the Inevitable?. <i>Annals of Thoracic Surgery</i> , 2020 , 110, 5-12	2.7	4
175	Rationale and design of a prospective, randomized, controlled, multicenter study to evaluate the safety and efficacy of transcatheter heart valve replacement in female patients with severe symptomatic aortic stenosis requiring aortic valve intervention (Randomized research in women all comers with Aortic stenosis [RHEIA] trial). <i>American Heart Journal</i> 2020 , 228, 27-35	4.9	3
174	Extra-anatomic carotid bypass in acute aortic dissection type A with carotid artery malperfusion. <i>Multimedia Manual of Cardiothoracic Surgery: MMCTS / European Association for Cardio-Thoracic Surgery</i> , 2020 , 2020,	0.2	
173	Shock waves promote spinal cord repair via TLR3. <i>JCI Insight</i> , 2020 , 5,	9.9	6
172	Massive Pulmonary Embolism With a Large Thrombus Trapped in the Patent Foramen Ovale. <i>Circulation: Cardiovascular Imaging</i> , 2020 , 13, e010501	3.9	
171	Endocarditis-related stroke is not a contraindication for early cardiac surgery: an investigation among 440 patients with left-sided endocarditis. <i>European Journal of Cardio-thoracic Surgery</i> , 2020 , 58, 1161-1167	3	0
170	The ESC Working Group Cardiovascular Surgery. <i>European Heart Journal</i> , 2020 , 41, 2421-2422	9.5	
169	Differences in coronary vasodilatory capacity and atherosclerosis in endurance athletes using coronary CTA and computational fluid dynamics (CFD): Comparison with a sedentary lifestyle. <i>European Journal of Radiology</i> , 2020 , 130, 109168	4.7	1
168	Infective endocarditis and neurologic events: indications and timing for surgical interventions. <i>European Heart Journal Supplements</i> , 2020 , 22, M19-M25	1.5	5
167	Minimally Invasive Redo-Aortic Valve Replacement: Reduced Operative Times as Compared to Full Sternotomy. <i>Thoracic and Cardiovascular Surgeon</i> , 2020 , 68, 141-147	1.6	1
166	miR-19a-3p containing exosomes improve function of ischaemic myocardium upon shock wave therapy. <i>Cardiovascular Research</i> , 2020 , 116, 1226-1236	9.9	34
165	2019 ESC Guidelines for the diagnosis and management of chronic coronary syndromes. <i>European Heart Journal</i> , 2020 , 41, 407-477	9.5	1835
164	Current Generation Balloon-Expandable Transcatheter Valve Positioning Strategies During Aortic Valve-in-Valve Procedures and Clinical Outcomes. <i>JACC: Cardiovascular Interventions</i> , 2019 , 12, 1606-1617	5	5
163	Late aortic sinus thrombosis after aortic root replacement using a totally biological aortic valve conduit. <i>European Journal of Cardio-thoracic Surgery</i> , 2019 , 55, 801	3	
162	Trial protocol for the validation of the Toronto Aortic Stenosis Quality of Life (TASQ) Questionnaire in patients undergoing surgical aortic valve replacement (SAVR) or transfemoral (TF) transcatheter aortic valve implantation (TAVI): the TASQ registry. <i>Open Heart</i> , 2019 , 6, e001008	3	6

161	Relationship of exercise to coronary artery disease extent, severity and plaque type: A coronary computed tomography angiography study. <i>Journal of Cardiovascular Computed Tomography</i> , 2019 , 13, 34-40	2.8	6
160	Prognostic implications of psoas muscle area in patients undergoing transcatheter aortic valve implantation. <i>European Journal of Cardio-thoracic Surgery</i> , 2019 , 55, 210-216	3	12
159	Balloon-expandable transcatheter aortic valve implantation with or without pre-dilation - results of a meta-analysis of 3 multicenter registries. <i>BMC Cardiovascular Disorders</i> , 2019 , 19, 172	2.3	4
158	Regenerative Medicine 3.TX: What Can We Learn About Organ Regeneration From Organ Replacement?. <i>Transplantation</i> , 2019 , 103, 227-228	1.8	
157	Long-term clinical outcome and graft patency of radial artery and saphenous vein grafts in multiple arterial revascularization. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019 , 158, 442-450	1.5	15
156	Postimplant biological aortic prosthesis degeneration: challenges in transcatheter valve implants. <i>European Journal of Cardio-thoracic Surgery</i> , 2019 , 55, 191-200	3	4
155	Mid-Term Valve-Related Outcomes After Transcatheter Tricuspid Valve-in-Valve or Valve-in-Ring Replacement. <i>Journal of the American College of Cardiology</i> , 2019 , 73, 148-157	15.1	49
154	Outcomes after transaortic transcatheter aortic valve implantation: long-term findings from the European ROUTE. <i>European Journal of Cardio-thoracic Surgery</i> , 2019 , 55, 737-743	3	8
153	Mitral Valve Surgery via Partial Upper Sternotomy: Closing the Gap between Conventional Sternotomy and Right Lateral Minithoracotomy. <i>Thoracic and Cardiovascular Surgeon</i> , 2019 , 67, 524-530	1.6	3
152	Factors limiting physical activity after acute type A aortic dissection. <i>Wiener Klinische Wochenschrift</i> , 2019 , 131, 174-179	2.3	3
151	Long-Term Clinical and Computed Tomography Angiographic Follow-up After Totally Endoscopic Coronary Artery Bypass Grafting. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2018 , 13, 5-10	1.5	5
150	Catheter-based edge-to-edge mitral valve repair for pulmonary pressure reduction and to postpone heart transplantation in a teenaged patient. <i>ESC Heart Failure</i> , 2018 , 5, 201-203	3.7	1
149	Incidence, predictors and clinical outcomes of residual stenosis after aortic valve-in-valve. <i>Heart</i> , 2018 , 104, 828-834	5.1	39
148	Balloon-expandable transaortic transcatheter aortic valve implantation with or without predilation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018 , 155, 915-923	1.5	9
147	Is MRI equivalent to CT in the guidance of TAVR? A pilot study. <i>European Radiology</i> , 2018 , 28, 4625-4634		16
146	Minimally invasive redo-aortic valve replacement. <i>Multimedia Manual of Cardiothoracic Surgery: MMCTS / European Association for Cardio-Thoracic Surgery</i> , 2018 , 2018,	0.2	0
145	Beating heart porcine high-fidelity simulator for the training of edge-to-edge mitral valve repair. <i>Multimedia Manual of Cardiothoracic Surgery: MMCTS / European Association for Cardio-Thoracic Surgery</i> , 2018 , 2018,	0.2	1
144	Long-Term Clinical and Computed Tomography Angiographic Follow-Up after Totally Endoscopic Coronary Artery Bypass Grafting. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2018 , 13, 5-10	1.5	3

143	Cusp thrombosis of a self-expandable sutureless aortic valve treated by valve-in-valve transcatheter aortic valve implantation procedure: case report. <i>European Heart Journal - Case Reports</i> , 2018 , 2, yty117	0.9	1
142	Indications and contra-indications for minimally invasive mitral valve surgery. <i>Journal of Visualized Surgery</i> , 2018 , 4, 255-255	0.3	0
141	Gene therapy with antisense oligonucleotides silencing c-myc reduces neointima formation and vessel wall thickness in a mouse model of vein graft disease. <i>Experimental and Molecular Pathology</i> , 2018 , 105, 1-9	4.4	3
140	EuroSCORE II and the STS score are more accurate in transapical than in transfemoral transcatheter aortic valve implantation. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2018 , 26, 413-419	1.8	6
139	Comparative Analysis of Perioperative and Mid-Term Results of TECAB and MIDCAB for Revascularization of Anterior Wall. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2017 , 12, 207-213	1.5	11
138	Stem cell therapy with skeletal myoblasts accelerates neointima formation in a mouse model of vein graft disease. <i>Experimental and Toxicologic Pathology</i> , 2017 , 69, 598-604		2
137	Transaortic transcatheter aortic valve implantation using SAPIEN XT or SAPIEN 3 valves in the ROUTE registry. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2017 , 25, 757-764	1.8	6
136	The flaws in the detail of an observational study on transcatheter aortic valve implantation versus surgical aortic valve replacement in intermediate-risks patients. <i>European Journal of Cardio-thoracic Surgery</i> , 2017 , 51, 1031-1035	3	13
135	Transaortic transcatheter aortic valve implantation as a first-line choice or as a last resort? An analysis based on the ROUTE registry. <i>European Journal of Cardio-thoracic Surgery</i> , 2017 , 51, 919-926	3	11
134	Comparative Analysis of Perioperative and Mid-Term Results of TECAB and MIDCAB for Revascularization of Anterior Wall. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2017 , 12, 207-213	1.5	3
133	Robotic Versus Conventional Coronary Artery Bypass Grafting: Direct Comparison of Long-Term Clinical Outcome. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2017 , 12, 239-246	1.5	10
132	Prognostic Implications of Pre-Procedural High-Sensitivity Cardiac Troponin T in Patients Undergoing Transcatheter Aortic Valve Replacement. <i>JACC: Cardiovascular Interventions</i> , 2017 , 10, 2345-2346	5	5
131	Cardiac CTA for Evaluation of Prosthetic Valve Dysfunction. <i>JACC: Cardiovascular Imaging</i> , 2017 , 10, 91-98.	4	9
130	The high-risk criteria low-attenuation plaque. <i>European Heart Journal Cardiovascular Imaging</i> , 2017 , 18, 772-779	4.1	66
129	Robotic versus Conventional Coronary Artery Bypass Grafting. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2017 , 12, 239-246	1.5	1
128	Balloon Expandable Transaortic Transcatheter Valve Implantation with or without Predilation of the Aortic Valve: Results from a Multicenter, Multinational Prospective Registry (ROUTE). <i>Thoracic and Cardiovascular Surgeon</i> , 2017 , 65, S1-S110	1.6	
127	Intracardiac Doppler Echocardiography for Monitoring of Pulmonary Artery Pressures in High-Risk Patients Undergoing Transcatheter Aortic Valve Replacement. <i>Journal of the American Society of Echocardiography</i> , 2016 , 29, 83-91	5.8	8
126	Sparing the aortic root in acute aortic dissection type A: risk reduction and restored integrity of the untouched root. <i>European Journal of Cardio-thoracic Surgery</i> , 2016 , 50, 232-9	3	20

125	Robotic totally endoscopic coronary artery bypass grafting (TECAB)-placement of bilateral internal mammary arteries to the left ventricle. <i>Annals of Cardiothoracic Surgery</i> , 2016 , 5, 589-592	4.7	4
124	Vein graft disease in a knockout mouse model of hyperhomocysteinaemia. <i>International Journal of Experimental Pathology</i> , 2016 , 97, 447-456	2.8	1
123	Transcatheter Aortic Valve Replacement Using Transaortic Access: Experience From the Multicenter, Multinational, Prospective ROUTE Registry. <i>JACC: Cardiovascular Interventions</i> , 2016 , 9, 1815-22	5.29	29
122	Predictors and consequences of postoperative atrial fibrillation following robotic totally endoscopic coronary bypass surgery. <i>European Journal of Cardio-thoracic Surgery</i> , 2014 , 45, 318-22	3	18
121	Bovine aortic arch: predictor of entry site and risk factor for neurologic injury in acute type a dissection. <i>Annals of Thoracic Surgery</i> , 2014 , 98, 1339-46	2.7	11
120	2014 ESC/EACTS Guidelines on myocardial revascularization: The Task Force on Myocardial Revascularization of the European Society of Cardiology (ESC) and the European Association for Cardio-Thoracic Surgery (EACTS) Developed with the special contribution of the European Association of Percutaneous Cardiovascular Interventions (EAPCI). <i>European Journal of Cardio-thoracic Surgery</i> , 2014 , 46, e149-167	9.5	3467
119	Relative amplitude index: a new tool for hemodynamic evaluation of periprosthetic regurgitation after transcatheter valve implantation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014 , 147, 1021-8, 1029.e1-2	1.5	9
118	Intracardiac echo and reduced radiocontrast requirements during TAVR. <i>JACC: Cardiovascular Imaging</i> , 2014 , 7, 319-20	8.4	18
117	Reply to the editor. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014 , 147, 1999-2000	1.5	
116	335 TRANSAORTIC TRANSCATHETER AORTIC VALVE IMPLANTATION: EXPERIENCE FROM THE FIRST MULTICENTRE, MULTINATIONAL PROSPECTIVE REGISTRY (ROUTE). <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2014 , 19, S100-S100	1.8	
115	2014 ESC/EACTS Guidelines on myocardial revascularization: the Task Force on Myocardial Revascularization of the European Society of Cardiology (ESC) and the European Association for Cardio-Thoracic Surgery (EACTS). Developed with the special contribution of the European Association of Percutaneous Cardiovascular Interventions (EAPCI). <i>European Journal of Cardio-thoracic Surgery</i> , 2014 , 46, e149-167	3	588
114	Advanced hybrid closed chest revascularization: an innovative strategy for the treatment of multivessel coronary artery disease. <i>European Journal of Cardio-thoracic Surgery</i> , 2014 , 46, e94-102; discussion e102	3	18
113	Transaortic transcatheter aortic valve implantation - rationale and design of the multicenter, multinational prospective ROUTE registry. <i>BMC Cardiovascular Disorders</i> , 2014 , 14, 152	2.3	11
112	Robotically Assisted Totally Endoscopic Coronary Artery Bypass Grafting 2014 , 97-109		
111	Extraordinary branching pattern of the aortic arch. <i>Clinical Anatomy</i> , 2013 , 26, 1006-7	2.5	
110	Robotic totally endoscopic coronary artery bypass grafting in men and women: are there sex differences in outcome?. <i>Annals of Thoracic Surgery</i> , 2013 , 96, 1643-7	2.7	9
109	Factors influencing hospital length of stay after robotic totally endoscopic coronary artery bypass grafting. <i>Annals of Thoracic Surgery</i> , 2013 , 95, 813-8	2.7	26
108	Five hundred cases of robotic totally endoscopic coronary artery bypass grafting: predictors of success and safety. <i>Annals of Thoracic Surgery</i> , 2013 , 95, 803-12	2.7	106

107	Prediction of paravalvular regurgitation after transcatheter aortic valve implantation by computed tomography: value of aortic valve and annular calcification. <i>Annals of Thoracic Surgery</i> , 2013 , 96, 1574-80 ²⁻⁷	44
106	Remote access perfusion for minimally invasive cardiac surgery: to clamp or to inflate?. <i>European Journal of Cardio-thoracic Surgery</i> , 2013 , 44, 898-904	3 24
105	Impact of cold ischemia on mitochondrial function in porcine hearts and blood vessels. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 22042-51	6.3 7
104	Valve embolization in the left ventricular outflow tract after transcatheter valve implantation. <i>European Journal of Cardio-thoracic Surgery</i> , 2013 , 43, 866-7	3 1
103	Robotically assisted hybrid coronary revascularization: does sequence of intervention matter?. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2013 , 8, 177-83	1.5 12
102	Aortic dissection type A in alpine skiers. <i>BioMed Research International</i> , 2013 , 2013, 192459	3 6
101	5-Methoxyeoligin, a lignan from Edelweiss, stimulates CYP26B1-dependent angiogenesis in vitro and induces arteriogenesis in infarcted rat hearts in vivo. <i>PLoS ONE</i> , 2013 , 8, e58342	3.7 9
100	Robotically Assisted Hybrid Coronary Revascularization: Does Sequence of Intervention Matter?. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2013 , 8, 177-183	1.5
99	Surgical problems and complex procedures: issues for operative time in robotic totally endoscopic coronary artery bypass grafting. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012 , 143, 639-647.e2	1.5 39
98	Hybrid coronary revascularization using robotic totally endoscopic surgery: perioperative outcomes and 5-year results. <i>Annals of Thoracic Surgery</i> , 2012 , 94, 1920-6; discussion 1926	2.7 59
97	Transcatheter aortic valve implantation via transaortic access: a bail-out strategy in unexpectedly inoperable patients. <i>European Surgery - Acta Chirurgica Austriaca</i> , 2012 , 44, 416-418	0.9 1
96	Benefits of high-pitch 128-slice dual-source computed tomography for planning of transcatheter aortic valve implantation. <i>Annals of Thoracic Surgery</i> , 2012 , 94, 1961-6	2.7 16
95	Robotic total endoscopic double-vessel coronary artery bypass grafting--state of procedure development. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012 , 144, 1061-6	1.5 23
94	Perivascular administration of drugs and genes as a means of reducing vein graft failure. <i>Current Opinion in Pharmacology</i> , 2012 , 12, 203-16	5.1 16
93	Behandlung akuter und chronischer Erkrankungen des Aortenbogens. <i>Zeitschrift Fur Herz-, Thorax- Und Gefasschirurgie</i> , 2012 , 26, 278-283	0.1
92	Psychomotor car-driving abilities after robotically assisted totally endoscopic coronary artery bypass grafting. <i>Thoracic and Cardiovascular Surgeon</i> , 2012 , 60, 462-7	1.6 5
91	Robotic totally endoscopic multivessel coronary artery bypass grafting: procedure development, challenges, results. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2012 , 7, 3-8	1.5 41
90	The angiogenic factor secretoneurin induces coronary angiogenesis in a model of myocardial infarction by stimulation of vascular endothelial growth factor signaling in endothelial cells. <i>Circulation</i> , 2012 , 126, 2491-501	16.7 71

89	Atrioesophageal fistula after percutaneous transcatheter ablation of atrial fibrillation. <i>Circulation</i> , 2012 , 125, 966	16.7	12
88	Robotic Totally Endoscopic Multivessel Coronary Artery Bypass Grafting Procedure Development, Challenges, Results. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2012 , 7, 3-8	1.5	4
87	Intracardiac echocardiography: a new guiding tool for transcatheter aortic valve replacement. <i>Journal of the American Society of Echocardiography</i> , 2011 , 24, 966-75	5.8	51
86	Cerebrovascular atherosclerosis and stroke in patients after coronary artery bypass graft surgery. <i>Journal of the American College of Cardiology</i> , 2011 , 58, 2545-6; author reply 2546	15.1	1
85	Downregulation of the CXC chemokine receptor 4/stromal cell-derived factor 1 pathway enhances myocardial neovascularization, cardiomyocyte survival, and functional recovery after myocardial infarction. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2011 , 142, 687-96, 696.e1-2	1.5	7
84	Predictors, causes, and consequences of conversions in robotically enhanced totally endoscopic coronary artery bypass graft surgery. <i>Annals of Thoracic Surgery</i> , 2011 , 91, 647-53	2.7	36
83	Invited commentary. <i>Annals of Thoracic Surgery</i> , 2011 , 92, 2234	2.7	
82	Robotic totally endoscopic surgery for congenital cardiac anomalies. <i>European Surgery - Acta Chirurgica Austriaca</i> , 2011 , 43, 212-217	0.9	3
81	Robotically assisted minimal invasive and endoscopic coronary bypass surgery. <i>European Surgery - Acta Chirurgica Austriaca</i> , 2011 , 43, 195-197	0.9	1
80	Hybrid coronary revascularization [Techniques and outcome. <i>European Surgery - Acta Chirurgica Austriaca</i> , 2011 , 43, 198-204	0.9	12
79	Topical use of autologous fibrin glue in high-risk CABG patients. <i>European Surgery - Acta Chirurgica Austriaca</i> , 2011 , 43, 309-314	0.9	4
78	Major risk stratification models do not predict perioperative outcome after coronary artery bypass grafting in patients with previous percutaneous intervention. <i>European Journal of Cardio-thoracic Surgery</i> , 2011 , 39, e164-9	3	10
77	Totally endoscopic removal of dislocated atrial septal defect - closure devices. <i>European Journal of Cardio-thoracic Surgery</i> , 2011 , 39, 1082; author reply 1082-3	3	2
76	Factors influencing blood transfusion requirements in robotic totally endoscopic coronary artery bypass grafting on the arrested heart. <i>European Journal of Cardio-thoracic Surgery</i> , 2011 , 39, 262-7	3	19
75	Closed chest hybrid coronary revascularization for multivessel disease - current concepts and techniques from a two-center experience. <i>European Journal of Cardio-thoracic Surgery</i> , 2011 , 40, 783-7	3	5
74	Robotically assisted totally endoscopic coronary bypass surgery. <i>Circulation</i> , 2011 , 124, 236-44	16.7	73
73	Alternative valve-in-root concepts for redo procedures. <i>Journal of Heart Valve Disease</i> , 2011 , 20, 593-5		1
72	Influence of preoperative serum N-terminal pro-brain type natriuretic peptide on the postoperative outcome and survival rates of coronary artery bypass patients. <i>Clinics</i> , 2010 , 65, 1239-45	2.3	14

71	Cardiac dislocation after replacement of the descending aorta. <i>European Journal of Cardio-thoracic Surgery</i> , 2010 , 38, 809		3
70	Device failure weeks to months after transcatheter closure of secundum type atrial septal defects. <i>Heart</i> , 2010 , 96, 1603	5.1	16
69	Hot potatoes, million dollar coat hangers and advanced coronary surgery. <i>Cardiology</i> , 2010 , 115, 184-5	1.6	
68	The amounts of alpha 1 antitrypsin protein are reduced in the vascular wall of the acutely dissected human ascending aorta. <i>European Journal of Cardio-thoracic Surgery</i> , 2010 , 37, 684-90	3	18
67	Aortic bioprosthetic valve deterioration 8 months after implantation. <i>Annals of Thoracic Surgery</i> , 2010 , 89, 277-9	2.7	7
66	Hybrid coronary revascularization: which patients? When? How?. <i>Current Opinion in Cardiology</i> , 2010 , 25, 568-74	2.1	35
65	Ex-vivo expanded umbilical cord blood stem cells retain capacity for myocardial regeneration. <i>Circulation Journal</i> , 2010 , 74, 188-94	2.9	36
64	Invited commentary. <i>Annals of Thoracic Surgery</i> , 2010 , 90, 1951	2.7	
63	Single-lung ventilation time does not increase lung injury after totally endoscopic coronary artery bypass surgery. <i>Heart Surgery Forum</i> , 2010 , 13, E383-90	0.7	5
62	Does obesity affect operative times and perioperative outcome of patients undergoing totally endoscopic coronary artery bypass surgery?. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2009 , 9, 214-7	1.8	18
61	Increased mortality and perioperative complications in patients with previous elective percutaneous coronary interventions undergoing coronary artery bypass surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009 , 137, 846-52	1.5	35
60	Effectiveness and safety of total endoscopic left internal mammary artery bypass graft to the left anterior descending artery. <i>American Journal of Cardiology</i> , 2009 , 104, 1684-8	3	54
59	Coil embolization of internal mammary artery injured during central vein catheter and cardiac pacemaker lead insertion. <i>European Journal of Radiology</i> , 2009 , 71, 269-74	4.7	23
58	Training surgeons to perform robotically assisted totally endoscopic coronary surgery. <i>Annals of Thoracic Surgery</i> , 2009 , 88, 523-7	2.7	39
57	Quality of life improvement after robotically assisted coronary artery bypass grafting. <i>Cardiology</i> , 2009 , 114, 59-66	1.6	80
56	Minimally invasive revision for bleeding following totally endoscopic coronary surgery. <i>Heart Surgery Forum</i> , 2009 , 12, E150-1	0.7	1
55	Distal leg protection for peripheral cannulation in minimally invasive and totally endoscopic cardiac surgery. <i>Heart Surgery Forum</i> , 2009 , 12, E158-62	0.7	11
54	CCR3- and CXCR4-mediated interactions regulate migration of CD34+ human bone marrow progenitors to ischemic myocardium and subsequent tissue repair. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2008 , 136, 1044-53	1.5	20

53	How to improve performance of robotic totally endoscopic coronary artery bypass grafting. <i>American Journal of Surgery</i> , 2008 , 195, 711-6	2.7	27
52	Simultaneous hybrid coronary revascularization using totally endoscopic left internal mammary artery bypass grafting and placement of rapamycin eluting stents in the same interventional session. The COMBINATION pilot study. <i>Cardiology</i> , 2008 , 110, 92-5	1.6	62
51	Completely endoscopic removal of a dislocated Amplatzer atrial septal defect closure device. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2008 , 7, 130-2	1.8	8
50	Near infrared spectroscopy for controlling the quality of distal leg perfusion in remote access cardiopulmonary bypass. <i>European Journal of Cardio-thoracic Surgery</i> , 2008 , 34, 1253-4	3	40
49	Robotic technology-probably a safe tool for development of completely endoscopic coronary revascularization procedures. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2008 , 3, 139-41	1.5	
48	Enhanced cell therapy for ischemic heart disease. <i>Transplantation</i> , 2008 , 86, 1151-60	1.8	21
47	CMV-hyperimmune globulin for preventing cytomegalovirus infection and disease in solid organ transplant recipients: a meta-analysis. <i>Clinical Transplantation</i> , 2008 , 22, 89-97	3.8	95
46	Neoangiogenesis after combined transplantation of skeletal myoblasts and angiopoietic progenitors leads to increased cell engraftment and lower apoptosis rates in ischemic heart failure. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2008 , 7, 249-55	1.8	15
45	Evaluation of left ventricular function by 64-multidetector computed tomography in patients undergoing totally endoscopic coronary artery bypass grafting. <i>Heart Surgery Forum</i> , 2008 , 11, E218-24	0.7	5
44	Robotic Technology Probably a Safe Tool for Development of Completely Endoscopic Coronary Revascularization Procedures. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2008 , 3, 139-141	1.5	
43	Connective tissue changes in a mouse model of vein graft disease. <i>Journal of Cardiovascular Surgery</i> , 2008 , 49, 269-76	0.7	1
42	Stem cells and cardiac regeneration. <i>Transplant International</i> , 2007 , 20, 731-46	3	25
41	Myocardial enzyme release in totally endoscopic coronary artery bypass grafting on the arrested heart. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007 , 134, 1006-11	1.5	14
40	Acute aortic dissection mimicking cholecystitis. <i>European Surgery - Acta Chirurgica Austriaca</i> , 2007 , 39, 203-205	0.9	
39	Do manual assisting maneuvers increase speed and technical performance in robotically sutured coronary bypass graft anastomoses?. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2007 , 21, 1715-8	5.2	11
38	Atypical clinical presentation of aortic syndrome. <i>Wiener Klinische Wochenschrift</i> , 2007 , 119, 13	2.3	
37	Primary ovarian carcinoid heart disease curatively treated with a two-stage procedure. <i>Thoracic and Cardiovascular Surgeon</i> , 2007 , 55, 467-9	1.6	5
36	Paclitaxel treatment reduces neointimal hyperplasia in cultured human saphenous veins. <i>European Journal of Cardio-thoracic Surgery</i> , 2007 , 32, 906-11	3	12

35	Evaluation of robotic coronary surgery with intraoperative graft angiography and postoperative multislice computed tomography. <i>Annals of Thoracic Surgery</i> , 2007 , 83, 1361-7	2.7	35
34	Robotic endoscopic left internal mammary artery harvesting: what have we learned after 100 cases?. <i>Annals of Thoracic Surgery</i> , 2007 , 83, 1030-4	2.7	52
33	Robotic totally endoscopic double-vessel bypass grafting: a further step toward closed-chest surgical treatment of multivessel coronary artery disease. <i>Heart Surgery Forum</i> , 2007 , 10, E239-42	0.7	25
32	Training models for coronary surgery. <i>Heart Surgery Forum</i> , 2007 , 10, E248-50	0.7	4
31	Multislice computed tomography for preoperative and postoperative assessment in totally endoscopic coronary artery bypass grafting. <i>Heart Surgery Forum</i> , 2007 , 10, E243-7	0.7	4
30	Technical challenges in totally endoscopic robotic coronary artery bypass grafting. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2006 , 131, 146-53	1.5	86
29	Combined transplantation of skeletal myoblasts and angiopoietic progenitor cells reduces infarct size and apoptosis and improves cardiac function in chronic ischemic heart failure. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2006 , 132, 1321-8	1.5	36
28	A new exposure technique for the circumflex coronary artery system in robotic totally endoscopic coronary artery bypass grafting. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2006 , 5, 279-81	1.8	14
27	Risk factors of postoperative nephropathy in patients undergoing innovative CABG and intraoperative graft angiography. <i>European Journal of Cardio-thoracic Surgery</i> , 2006 , 30, 431-5	3	8
26	Robotically assisted totally endoscopic atrial septal defect repair: insights from operative times, learning curves, and clinical outcome. <i>Annals of Thoracic Surgery</i> , 2006 , 82, 687-93	2.7	81
25	Ten-year follow-up of a prospective, randomized trial of BT563/bb10 versus anti-thymocyte globulin as induction therapy after heart transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2006 , 25, 1154-63	5.8	22
24	Myocardial homing and neovascularization by human bone marrow angioblasts is regulated by IL-8/Gro CXC chemokines. <i>Journal of Molecular and Cellular Cardiology</i> , 2006 , 40, 455-64	5.8	122
23	Evaluation of ascending aortic atherosclerosis with 16-multidetector computed tomography is useful before total endoscopic coronary bypass surgery. <i>Heart Surgery Forum</i> , 2006 , 9, E754-8	0.7	5
22	Robotic totally endoscopic coronary artery bypass and catheter based coronary intervention in one operative session. <i>Annals of Thoracic Surgery</i> , 2005 , 79, 2138-41	2.7	22
21	Intramyocardial microdepot injection increases the efficacy of skeletal myoblast transplantation. <i>European Journal of Cardio-thoracic Surgery</i> , 2005 , 27, 1017-21	3	28
20	How to handle remote access perfusion for endoscopic cardiac surgery. <i>Heart Surgery Forum</i> , 2005 , 8, E232-5	0.7	18
19	Ongoing procedure development in robotically assisted totally endoscopic coronary artery bypass grafting (TECAB). <i>Heart Surgery Forum</i> , 2005 , 8, E287-91	0.7	18
18	Hybrid coronary artery revascularization: logistics and program development. <i>Heart Surgery Forum</i> , 2005 , 8, E258-61	0.7	12

17	Does preoperative multislice computed tomography predict operative times in total endoscopic coronary artery bypass grafting?. <i>Heart Surgery Forum</i> , 2005 , 8, E314-8	0.7	7
16	Treatment of double vessel coronary artery disease by totally endoscopic bypass surgery and drug-eluting stent placement in one simultaneous hybrid session. <i>Heart Surgery Forum</i> , 2005 , 8, E284-6	0.7	20
15	Assessment of health-related quality of life after coronary revascularization. <i>Heart Surgery Forum</i> , 2005 , 8, E380-5	0.7	24
14	Cell- and gene therapy for ischemic heart disease. <i>Minerva Cardioangiologica</i> , 2005 , 53, 265-73	1.1	2
13	Combined transplantation of skeletal myoblasts and bone marrow stem cells for myocardial repair in rats. <i>European Journal of Cardio-thoracic Surgery</i> , 2004 , 25, 627-34	3	39
12	Robotic totally endoscopic coronary artery bypass: program development and learning curve issues. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2004 , 127, 504-10	1.5	100
11	The Bentall procedure is an attractive option for the aortic root. <i>European Surgery - Acta Chirurgica Austriaca</i> , 2004 , 36, 129-132	0.9	1
10	Increased levels of soluble ST2 protein and IgG1 production in patients with sepsis and trauma. <i>Intensive Care Medicine</i> , 2004 , 30, 1468-73	14.5	129
9	Extensive coagulation monitoring in patients after implantation of the MicroMed DeBakey continuous flow axial pump. <i>ASAIO Journal</i> , 2004 , 50, 424-31	3.6	25
8	Comparison of combined prophylaxis of cytomegalovirus hyperimmune globulin plus ganciclovir versus cytomegalovirus hyperimmune globulin alone in high-risk heart transplant recipients. <i>Transplantation</i> , 2004 , 77, 890-7	1.8	33
7	Experience on the way to totally endoscopic atrial septal defect repair. <i>Heart Surgery Forum</i> , 2004 , 7, E440-5	0.7	10
6	The ESTECH remote access perfusion cannula in minimally invasive cardiac surgery. <i>Heart Surgery Forum</i> , 2004 , 7, E632-5	0.7	14
5	Is the axillary artery a suitable cannulation site in aortic surgery?. <i>Journal of Cardiovascular Surgery</i> , 2004 , 45, 15-9	0.7	5
4	Cell therapy for ischemic heart disease. <i>Panminerva Medica</i> , 2004 , 46, 13-23	2	4
3	Long-term results of CMV hyperimmune globulin prophylaxis in 377 heart transplant recipients. <i>Journal of Heart and Lung Transplantation</i> , 2003 , 22, 250-7	5.8	30
2	Use of Stem Cells for Treatment of Cardiovascular Disorders. <i>European Surgery - Acta Chirurgica Austriaca</i> , 2002 , 34, 111-113	0.9	1
1	Effect of ABO blood type matching in cardiac transplant recipients. <i>Transplantation Proceedings</i> , 2001 , 33, 2752-4	1.1	8